

Name: \_\_\_\_\_  
\_\_\_\_\_

Date:

Algebra 1B Pd: \_\_\_\_\_

### Solving Systems of Linear Equations via Substitution

**Directions:** For each system, solve via substitution. You MUST check your work!

Solve via substitution	Check by substituting into the equation you did NOT just use	Final Answer as Coordinate
1. $y = 6x - 11$ $-2x - 3y = -7$		
2. $-3x - 3y = 3$ $y = -5x - 17$		

$$\begin{aligned} 3. \quad &y = -2 \\ &4x - 3y = 18 \end{aligned}$$

$$\begin{aligned} 4. \quad &-5x + y = -2 \\ &-3x + 6y = -12 \end{aligned}$$

**CHALLENGE (Complete your work on a separate piece of paper and staple it to this sheet):**

$$\begin{aligned} x &= -4z - 19 \\ y &= 5x + z - 4 \\ -5y - z &= 25 \end{aligned}$$